

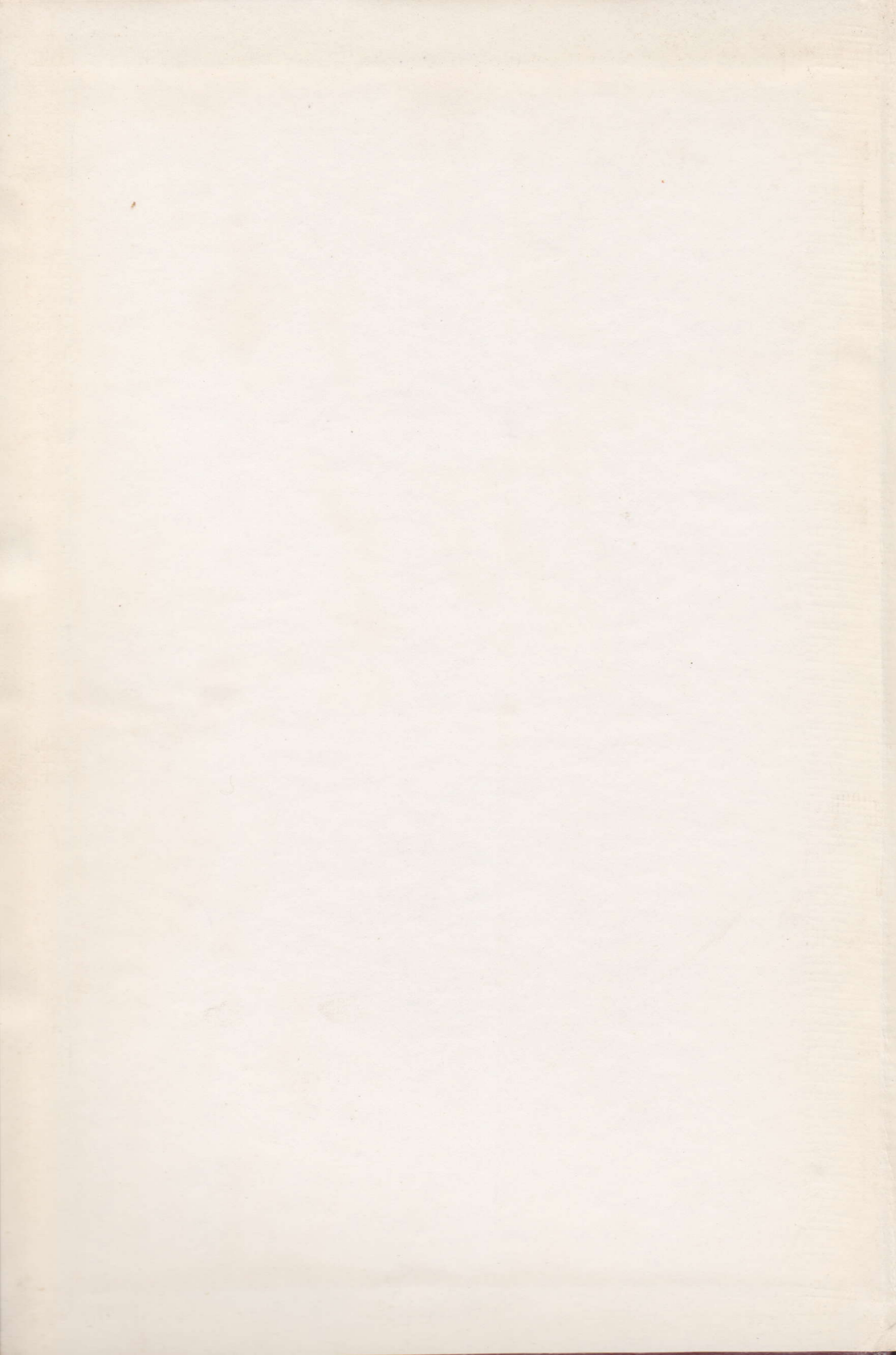
Ridgway



POWER

HAND TOOLS

B.62





Catalogue Reference **No. B.62**

This Catalogue cancels all previous Catalogues and Lists.



**AUGERS
AUGER BITS
BRACE BITS**

Trade Marks



**Wm. RIDGWAY
SHEFFIELD**

Manufactured by

**WM. RIDGWAY & SONS, LTD.
OSCAR WORKS, SHEFFIELD 3,
England**

Telegrams and Cables :
"WILRIDGE, SHEFFIELD"

ESTABLISHED 1878

Telephone No.
2 2 1 3 8



INTRODUCTION

We offer our customers the Quality and Service which is possible only when backed by a long and honourable tradition of specialist manufacture.

Our firm was founded in the year 1878 by Mr. William Ridgway who, in the early days of the business, specialized in the manufacture of Bits designed to meet the requirements of wagon builders and repairers. He it was who set the high standard of quality and craftsmanship which has been proudly upheld and to-day is our ever constant concern.

We are specialists concentrating on the manufacture of Wood boring and Morticing Tools and similar Cutters for both hand and machine use.

In this catalogue are listed all the essential items in our range of Augers, Auger Bits and Brace Bits for hand use. The range is wide and covers practically every known type of Auger or Bit in regular use.

Attractive and efficient packing is an important feature in the presentation of Ridgway Auger Bits and Brace Bits.

Each Bit is individually wrapped to protect against corrosion, and packed in attractive, specially printed coloured boxes.

Particular attention is given to clear labelling on box ends, making size and type easily identifiable on the stock shelf.

If any customer who receives this catalogue is interested in our range of Tools for Machine use, we shall be pleased to send him a copy of the appropriate catalogue on application.

We endeavour to list our tools in a clear and concise manner, so that customers can easily refer to type number and size when ordering. We urge our customers to make their orders as explicit and exact as possible and to follow the advice on ordering which we offer. Careful orders ensure our supplying tools suited to requirements in every particular.

Our first object is to produce tools of quality and all Ridgway Tools carry a full and unqualified guarantee against any defect in material or workmanship.

**WM. RIDGWAY & SONS LTD.,
OSCAR WORKS,
SHEFFIELD.**

APRIL 1962



CONDITIONS OF SALE

GUARANTEE

We endeavour to provide the best materials for our products, and will replace free any article returned to our works, carriage paid, which, after inspection, proves defective in either material or workmanship.

Tools which have failed through improper use, breakage or damage in transit are specifically excluded.

PRICES

and discounts are subject to change without notice, although we aim to notify all regular customers if such change should be an advance.

ILLUSTRATIONS AND SPECIFICATIONS

These are practically identical representations of our goods, but we reserve the right to alter design or details should improvements suggest themselves to us.

SPECIALS

Goods made specially to order cannot be returned or exchanged.

DELIVERY

Labour disputes, strikes, accidents, etc. may interfere with the fulfilment of our delivery promises, and in such circumstances we cannot accept cancellation of any order.

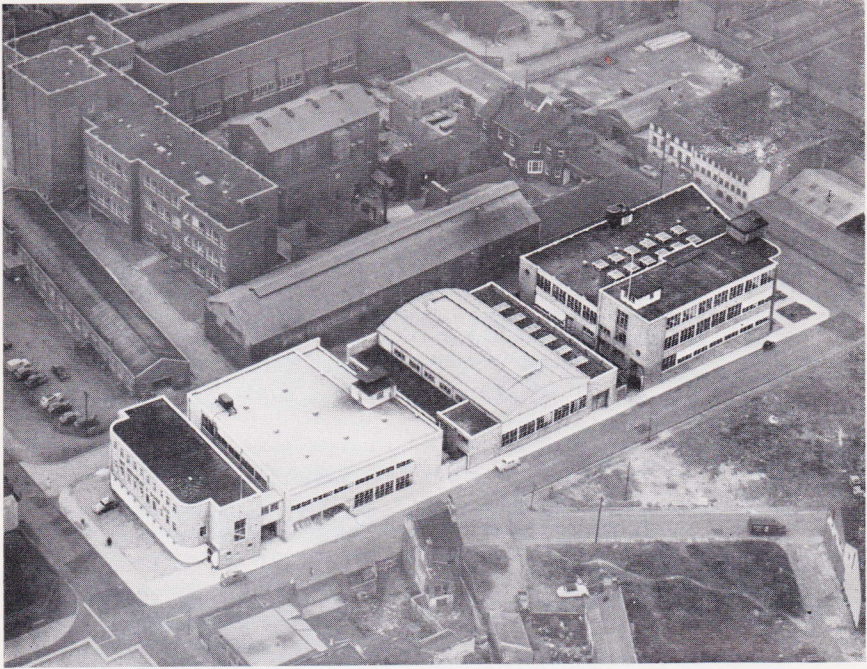
PLEASE DO NOT TEAR OUT THE PAGES

Loose Sheets will be willingly sent on application.

IMPORTANT

When ordering we ask customers always to mention the respective List Number and Size, as shown in this Catalogue, and to use the same terms and descriptions.

**ALL TOOLS LISTED IN THIS CATALOGUE ARE ACTUALLY
MADE BY US IN OUR OWN SHEFFIELD WORKS**



*Eighty years of progress . . .
. . . and still looking ahead*

The basic policy of the founder of Ridgways was to plough back the larger part of the profits into the firm. This policy has never varied and thus it has been possible to expand continuously over the years. The recent rebuilding and re-equipping scheme has made the factory one of the finest in the world devoted to the manufacture of wood boring tools. Ever since 1878, Ridgways have been expanding their range of augers, auger bits, wood boring tools and cutters of all kinds for woodworking machinery. Due to this farsighted policy, our range is now the largest in the trade.

RIDGWAY WOOD BORING TOOLS



AUGER BITS

DOWEL BITS



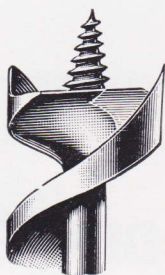
WM. RIDGWAY
& SONS, LTD.
OSCAR WORKS
Sheffield - England

B62

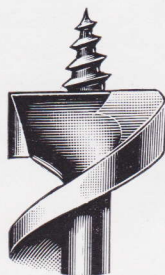
Printed in England



SOLID CENTRE AUGER BITS



Solid Centre type with
Jennings pattern nose,
for soft woods and general
work.



Solid Centre type with
Scotch pattern nose,
for hard woods and rougher
work.

Auger Bits with the Solid Centre Twist formation have steadily increased in popularity, until to-day the standard Solid Centre Auger Bit is more generally used than any other type.

The Solid Centre Twist is common to all Bits in this range, but we manufacture with three different nose types, each suited to a particular class of work, and in a range of lengths covering all likely requirements.

Two of the Nose types available are illustrated above and the Single Spur type is shown on page 9. Special length Bits appear on page 10.

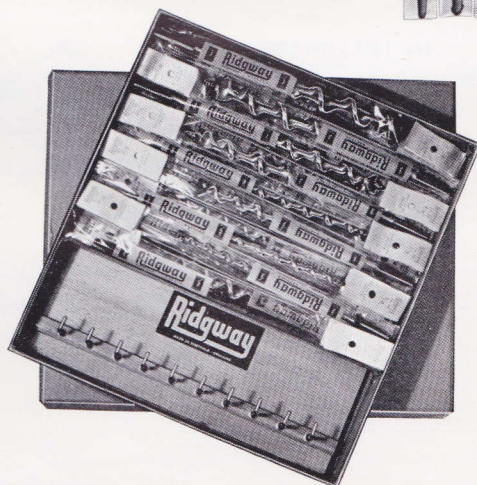
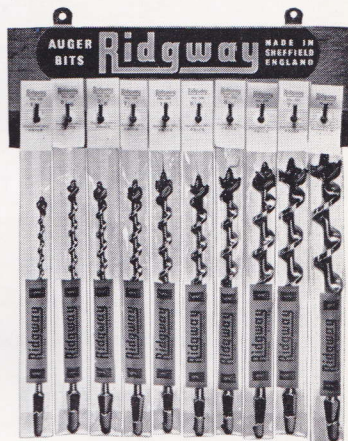


RIDGWAY AUGER BITS in HEAT SEALED **ESSAPACK**

- ★ Heat Sealed, affording complete protection to Bit—no deterioration in stock.
- ★ Cutting Head of Bit protected by strippable wax—easily removed.
- ★ Clearly labelled with size and catalogue number, with provision for price—no mistakes over the counter.
- ★ Very attractive appearance and easy to display in shop or window—Dispenser unit, Pegboard, etc.
- ★ Strength and toughness of **ESSAPACK** facilitates immediate "over counter" sales—no further wrapping necessary.

FREE

This attractive, durable, compact, easy to put up Polished Beechwood Dispenser Unit FREE to stockists of Ridgway Bits.



For the convenience of our customers we offer the Dispenser Pack as illustrated which contains: 1 Dispenser Unit—free of charge. 6 only each $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ". 3 only each $\frac{9}{16}$ ", $\frac{7}{8}$ ", 1". (a total of $4\frac{1}{4}$ dozen Bits at usual prices—no extra charge of any kind).

No. 220 Solid Centre Auger Bits, No. 230 Scotch Auger Bits, No. 240 Jennings Pattern Auger Bits in sizes up to and including 1" are all supplied as standard pack individually sealed in **ESSAPACK**



No. 220 SOLID CENTRE AUGER BITS



Approximately 8" to 10" overall, according to size.

An excellent general purpose boring bit.

IN INCH SIZES

$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "
$\frac{3}{4}$ "	$1\frac{3}{16}$ "	$\frac{7}{8}$ "	$1\frac{5}{16}$ "	1"	$1\frac{1}{16}$ "	$1\frac{1}{8}$ "	$1\frac{3}{16}$ "	$1\frac{1}{4}$ "
$1\frac{5}{16}$ " $1\frac{3}{8}$ " $1\frac{7}{16}$ " $1\frac{1}{2}$ "								

For **No. 220** in Sets see pages 15, 17 and 18.

IN MILLIMETRE SIZES

5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22
23	24	25	26	28	30	32	34	36
38 40								

Sizes up to and including 1" and 25 mm. in heat sealed

ESSAPACK

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



No. 220A—SOLID CENTRE AUGER BIT WITH SINGLE SPUR

8" to 9" long overall, according to size.

This design of one cutting edge with diametrically opposed single spur is excellent for boring all types of difficult timber especially green and stringy wood.

$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "
$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	



No. 220B—ELECTRICIANS' SOLID CENTRE AUGER BIT WITH SINGLE SPUR, 6" TWIST, 10" OVERALL

In design similar to No. 220A above, but made in special length to meet the requirements of Electricians.

$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "
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SOLID CENTRE AUGER BITS, WITH LONG TWIST JENNINGS PATTERN NOSE



No. 630. 12" twist, 18" overall

No. 632. 10" „ 15" „

No. 634. 8" „ 12" „

$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "
$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	$1\frac{1}{16}$ "	$1\frac{1}{8}$ "	$1\frac{3}{16}$ "	$1\frac{1}{4}$ "



No. 222.—SOLID CENTRE AUGER BIT, WITH SCOTCH NOSE

Approximately 8" to 10" overall, according to size.

For hard wood boring.

$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "
$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "	



SCOTCH AUGER BITS AND FENCING BITS

Specially designed and sharpened for boring Hard Woods.



No. 230.—BRIGHT SCOTCH AUGER BIT

Approximately 8" to 10" overall according to size.

The most popular type of Hardwood boring bit.

$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "
$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "

For No. 230 in sets see pages 15 and 16.

Sizes up to and including 1" in heat sealed

ESSAPACK



No. 231.—BRIGHT SCOTCH FENCING BIT

$12\frac{1}{2}$ " long overall.

$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "
$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "	

No. 609.—BRIGHT SCOTCH AUGER BIT

14" long overall.

$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "
$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



JENNINGS PATTERN AUGER BITS

The perfect smooth boring bit, preferred by Cabinet makers and Craftsmen for fine work.



No. 240.—JENNINGS PATTERN AUGER BIT

Approximately 8" to 10" overall, according to size.

$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "
$\frac{11}{16}$ "	$\frac{3}{4}$ "	$1\frac{3}{16}$ "	$\frac{7}{8}$ "	$1\frac{5}{16}$ "	1"	$1\frac{1}{16}$ "	$1\frac{1}{8}$ "
$1\frac{3}{16}$ "	$1\frac{1}{4}$ "	$1\frac{5}{16}$ "	$1\frac{3}{8}$ "	$1\frac{7}{16}$ "	$1\frac{1}{2}$ "		

For **No. 240** in sets see pages 15, 16, 17 and 18.

Sizes up to and including 1" in heat sealed

ESSAPACK



No. 613.—JENNINGS PATTERN SASH BIT, 12" twist

$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$1\frac{1}{16}$ "
$\frac{3}{4}$ "	$1\frac{3}{16}$ "	$\frac{7}{8}$ "	$1\frac{5}{16}$ "	1"	

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND

**No. 232.—SOLID NOSE AUGER BIT**

Approximately 8" to 10" overall according to size.

$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "
$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "	

For **No. 232** in Sets see pages 15, 16 and 17.

**No. 546.—WOOD BIT FOR BRACE**

These Bits are for use in the ordinary hand brace and are suitable for boring all kinds of wood. They bore a dead straight hole, being unaffected by knots and the run of the grain. The open formation of the flutes gives ample chip clearance, ensuring easy boring.

$\frac{1}{8}$ "	$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "	$\frac{1}{4}$ "	$\frac{9}{32}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ " dia.
$4\frac{1}{2}$ "	$5\frac{1}{8}$ "	$5\frac{5}{8}$ "	$6\frac{1}{8}$ "	$6\frac{1}{2}$ "	7"	$7\frac{1}{2}$ "	8"	$8\frac{1}{2}$ " o/a.
$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1" dia.
9"	$9\frac{3}{8}$ "	$9\frac{5}{8}$ "	$9\frac{7}{8}$ "	$9\frac{7}{8}$ "	$9\frac{7}{8}$ "	10"	10"	10" o/a.



DOWEL BITS

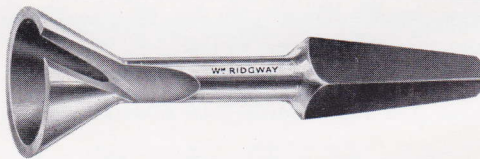
Approximately 5" long overall. For boring short accurate diameter holes.



No. 241.—JENNINGS' PATTERN DOWEL BIT

Precision ground to exact size on boring diameter.

$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "
	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"	



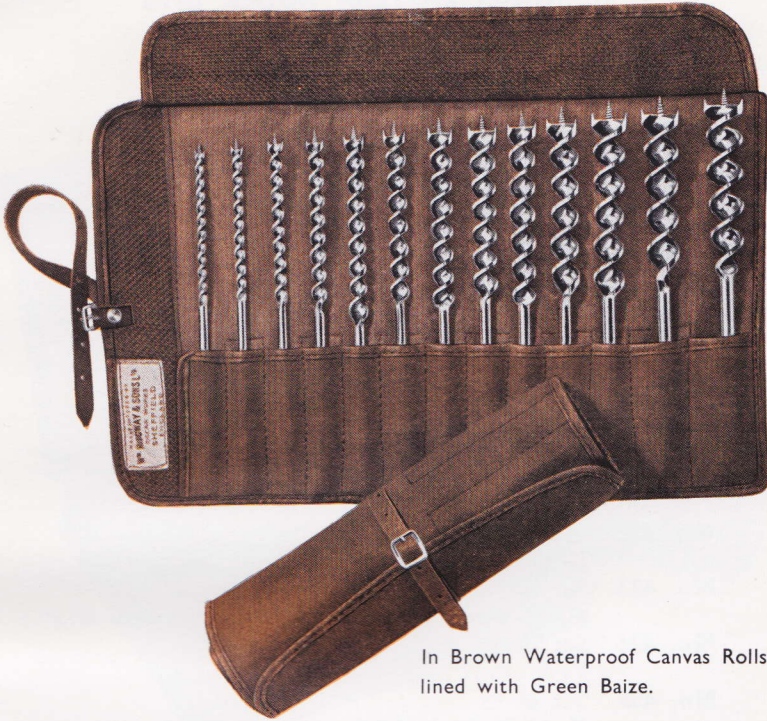
No. 624.—DOWEL SHARPENER

Inside diameter across mouth $\frac{3}{4}$ ".

Approximately 3" overall.



AUGER BITS IN SETS



In Brown Waterproof Canvas Rolls,
lined with Green Baize.

SOLID CENTRE AUGER BITS

(No. 220, page 8)

- No. 411** Set of 6
 $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " and $\frac{3}{4}$ "
- No. 412** Set of 6
 $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ " and 1"
- No. 413** Set of 10
 $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ " and 1" and Turnscrew Bit $\frac{3}{8}$ "
- No. 414** Set of 11
 $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ", $\frac{11}{16}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ ", and 1"
- No. 415** Set of 13
 $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ", $\frac{11}{16}$ ", $\frac{3}{4}$ ", $\frac{13}{16}$ ", $\frac{7}{8}$ ", $\frac{15}{16}$ " and 1"

The above sets can be supplied without rolls if required.



JENNINGS PATTERN AUGER BITS

(No. 240, page 12)

- No. 421** Set of 6
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{1}{2}"$, $\frac{5}{8}"$ and $\frac{3}{4}"$
- No. 422** Set of 6
 $\frac{1}{4}"$, $\frac{3}{8}"$, $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$ and 1"
- No. 423** Set of 10
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$, $\frac{7}{8}"$ and 1" and Turnscrew Bit $\frac{3}{8}"$
- No. 424** Set of 11
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{9}{16}"$, $\frac{5}{8}"$, $\frac{11}{16}"$, $\frac{3}{4}"$, $\frac{7}{8}"$ and 1"
- No. 425** Set of 13
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{9}{16}"$, $\frac{5}{8}"$, $\frac{11}{16}"$, $\frac{3}{4}"$, $\frac{13}{16}"$, $\frac{7}{8}"$, $\frac{15}{16}"$ and 1"

SCOTCH AUGER BITS

(No. 230, page 11)

- No. 431** Set of 6
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{1}{2}"$, $\frac{5}{8}"$ and $\frac{3}{4}"$
- No. 432** Set of 6
 $\frac{1}{4}"$, $\frac{3}{8}"$, $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$ and 1"
- No. 433** Set of 10
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$, $\frac{7}{8}"$ and 1" and Turnscrew Bit $\frac{3}{8}"$
- No. 434** Set of 11
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{9}{16}"$, $\frac{5}{8}"$, $\frac{11}{16}"$, $\frac{3}{4}"$, $\frac{7}{8}"$ and 1"
- No. 435** Set of 13
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{9}{16}"$, $\frac{5}{8}"$, $\frac{11}{16}"$, $\frac{3}{4}"$, $\frac{13}{16}"$, $\frac{7}{8}"$, $\frac{15}{16}"$ and 1"

SOLID NOSE AUGER BITS

(No. 232, page 13)

- No. 441** Set of 6
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{1}{2}"$, $\frac{5}{8}"$ and $\frac{3}{4}"$
- No. 442** Set of 6
 $\frac{1}{4}"$, $\frac{3}{8}"$, $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$ and 1"
- No. 443** Set of 10
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$, $\frac{7}{8}"$ and 1" and Turnscrew Bit $\frac{3}{8}"$
- No. 444** Set of 11
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{9}{16}"$, $\frac{5}{8}"$, $\frac{11}{16}"$, $\frac{3}{4}"$, $\frac{7}{8}"$ and 1"
- No. 445** Set of 13
 $\frac{1}{4}"$, $\frac{5}{16}"$, $\frac{3}{8}"$, $\frac{7}{16}"$, $\frac{1}{2}"$, $\frac{9}{16}"$, $\frac{5}{8}"$, $\frac{11}{16}"$, $\frac{3}{4}"$, $\frac{13}{16}"$, $\frac{7}{8}"$, $\frac{15}{16}"$ and 1"

The above sets can be supplied without rolls if required.



AUGER BITS IN SETS

In beautifully finished Polished Wooden Case.



Sets of 13 can be supplied in any of the following types:

No. 410.—Solid Centre Auger Bits (page 8)

No. 420.—Jennings' Pattern Auger Bits (page 12)

No. 440.—Solid Nose Auger Bits (page 13)

The Set of 13 comprises 1 each of the following sizes :

$\frac{1}{4}$ " , $\frac{5}{16}$ " , $\frac{3}{8}$ " , $\frac{7}{16}$ " , $\frac{1}{2}$ " , $\frac{9}{16}$ " , $\frac{5}{8}$ " , $\frac{11}{16}$ " , $\frac{3}{4}$ " , $\frac{13}{16}$ " , $\frac{7}{8}$ " , $\frac{15}{16}$ " , 1" .



DISPLAY SETS



Each containing 6 Auger Bits ($\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ " and $\frac{3}{4}$ ") in attractive cardboard box with transparent window lid.

Ideal for gift purposes at Christmas time, etc.

Available in the two most popular types of Bit:

No. 404.—Solid Centre Auger Bits.

No. 405.—Jennings' Pattern Auger Bits.

WOOD BORING TOOL KIT

No. 400



Designed to meet the needs of the Home user who requires a representative range of wood boring tools at a reasonable price.

The Kit is very attractively packed as illustrated above and comprises:

- | | |
|--|---|
| $\frac{1}{8}$ " Cobra Pattern Bit | 1" Centre Bit |
| $\frac{3}{16}$ " Steel Handled Gimlet | $1\frac{1}{4}$ " New Pattern Centre Bit |
| $\frac{3}{8}$ " Solid Centre Auger Bit | $\frac{5}{16}$ " Turnscrew Bit |
| $\frac{1}{2}$ " Solid Centre Auger Bit | $\frac{1}{2}$ " Rosehead Countersink |

All Bright finish

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



BRACE BITS IN SETS



Any set can be supplied with or without Brown waterproof canvas Green baize lined Roll.

Set No. 1—comprising 12 Bits as follows:

1 Shell Bit, each	...	...	...	...	...	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "
1 Turnscrew Bit	...	...	...	...	...	...	...	$\frac{3}{8}$ "
1 Rosehead Countersink	...	...	...	...	...	...	...	$\frac{1}{2}$ "
1 Square Rinder	...	...	...	...	...	...	...	$\frac{3}{8}$ "
1 Centre Bit (Old Type) each	...	...	...	...	...	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
						$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "

Set No. 2—comprising 12 Bits as follows:

1 Shell Bit, each	...	...	...	...	...	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "
1 Turnscrew Bit	...	...	...	...	...	...	...	$\frac{3}{8}$ "
1 Rosehead Countersink	...	...	...	...	...	...	...	$\frac{1}{2}$ "
1 Square Rinder	...	...	...	...	...	...	...	$\frac{3}{8}$ "
1 No. 1066 Centre Bit, each	...	...	...	...	...	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
						$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND

**Set No. 3**—comprising 18 Bits as follows:

1 Shell Bit, each	...	...	...	...	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "
1 Turnscrew Bit, each	...	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
1 Rosehead Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Square Rinder	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Snailhorn Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Cobra Bit	...	...	...	...	...	...	...	No. 6
1 Centre Bit (Old Type) each	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "

Set No. 4—comprising 18 Bits as follows:

1 Shell Bit, each	...	...	...	...	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "
1 Turnscrew Bit, each	...	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
1 Rosehead Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Square Rinder	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Cobra Bit	...	...	...	...	...	...	...	No. 6
1 Snailhorn Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 No. 1066 Centre Bit, each	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "

Set No. 5—comprising 24 Bits as follows:

1 Shell Bit, each	...	...	...	...	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "
1 Turnscrew Bit, each	...	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
1 Rosehead Countersink, each	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Square Rinder	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Flathead Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Cobra Bit, each	...	...	...	...	...	...	...	No. 3, No. 6, No. 8
1 Snailhorn Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Centre Bit (Old Type) each	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "

Set No. 6—comprising 24 Bits as follows:

1 Shell Bit, each	...	...	...	...	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "
1 Turnscrew Bit, each	...	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
1 Rosehead Countersink, each	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Square Rinder	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Flathead Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Cobra Bit, each	...	...	...	...	...	...	...	No. 3, No. 6, No. 8
1 Snailhorn Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 No. 1066 Centre Bit, each	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "

Set No. 7—comprising 24 Bits as follows:

1 Shell Bit, each	...	...	...	...	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "
1 Turnscrew Bit, each	...	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "
1 Rosehead Countersink, each	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Square Rinder	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 No. 1066 Centre Bit	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Flathead Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Cobra Bit, each	...	...	...	...	...	...	...	No. 3, No. 6, No. 8
1 Snailhorn Countersink	...	...	...	...	...	...	$\frac{1}{2}$ "	$\frac{3}{8}$ "
1 Jennings' Bit, each	...	...	...	...	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "



COUNTERSINKS AND WOOD BORING BITS

SPECIALLY DESIGNED
FOR USE IN
**ELECTRIC HAND
DRILLS**

After months of investigation and experiment the range of Wood Boring Bits and Countersinks in this list is offered as covering most effectively the needs of users of Electric Hand Drills.

The type and design is that found superior to any known alternative. The make-up of the sets is attractive and useful.

The average Hand Drill will bore in Wood up to twice the diameter it will bore in mild steel, e.g. a Hand Drill capacity $\frac{1}{2}$ " in steel will bore up to 1" diameter in Wood.

ALL TOOLS COVERED BY
THE RIDGWAY GUARANTEE

**WM. RIDGWAY
& SONS, LTD.
OSCAR WORKS
Sheffield - England**

B62

Printed in England



RIDGWAY No. 355 FLATBITS



The most significant advance ever in wood boring capacity with 1/4" Electric Drills.

Even in a small capacity electric drill it is possible to bore up to 1" diameter in soft or hard wood.

It is equally useful in small Bench Drills and will be found to bore fast, clean and accurate.

Sharpening is easy with a slip stone, or in case of damage, e.g., from a nail, by using a small abrasive wheel.

Note the shank with three flats which ensures no slip in the drill chuck.

Note the "hang up" hole in the blade.

Ridgway "FLATBITS" are precision made from top class steel, scientifically heat treated and are guaranteed to give long and satisfying service.

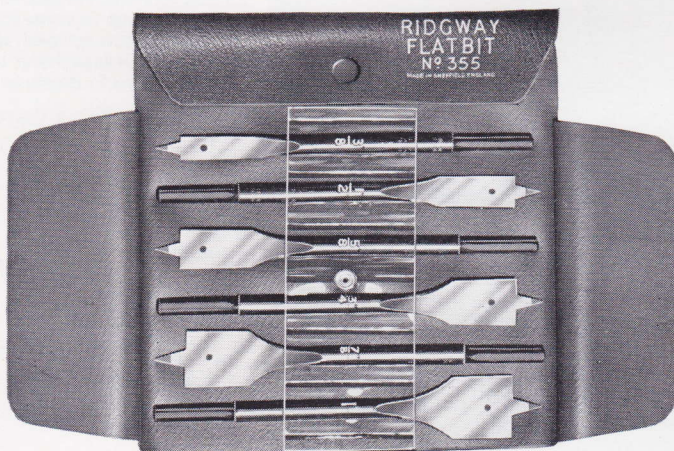
$\frac{1}{4}"$	$\frac{5}{16}"$	$\frac{3}{8}"$	$\frac{1}{2}"$	$\frac{5}{8}"$	$\frac{3}{4}"$
	$\frac{7}{8}"$	1"	$1\frac{1}{8}"$	$1\frac{1}{4}"$	

With $\frac{5}{16}"$ dia. shank for use in larger Electric Drills

$1\frac{3}{8}"$ $1\frac{1}{2}"$

No. 365 Set of 6 sizes in Plastic Roll.

Sizes $\frac{3}{8}"$, $\frac{1}{2}"$, $\frac{5}{8}"$, $\frac{3}{4}"$, $\frac{7}{8}"$ and 1".



WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



RIDGWAY No. 355 FLATBITS

All sizes presented in **ESSAPACK**

- ★ Heat Sealed, affording complete protection to Bit—no deterioration in stock.
- ★ Cutting Head of Bit protected by strippable wax—easily removed.
- ★ Clearly labelled with size and catalogue number, with provision for price—no mistakes over the counter.
- ★ Very attractive appearance and easy to display in shop or window—Dispenser unit, Pegboard, etc.
- ★ Strength and toughness of **ESSAPACK** facilitates immediate “over counter” sales—no further wrapping necessary.



FREE

The attractive Dispenser Box for counter display, containing 2½ dozen bits, is being continued but, in addition, and included in the pack FREE is this eye-catching and useful display rack.

Take your choice—sell from the box or rack, or both.

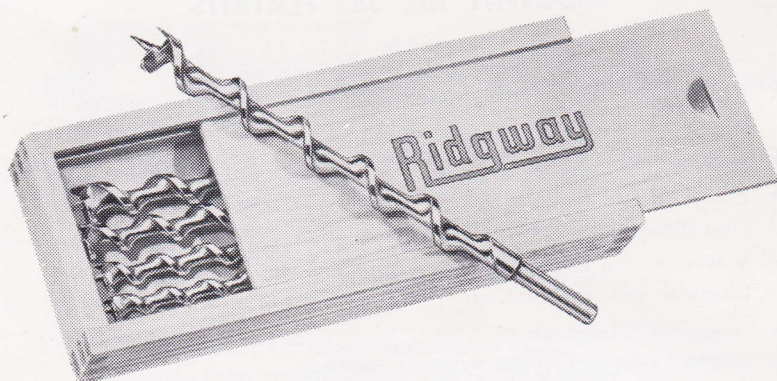
The Dispenser Pack contains:

- 6 only each $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{5}{8}$ ", $\frac{3}{4}$ ".
- 3 only each $\frac{7}{8}$ ", 1".
- 1 Display Rack.

All packed in skillett as illustrated.



WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



No. 350

SOLID CENTRE, SINGLE SPUR, BRAD POINT BITS

Specially designed for use in Small Electric Hand Drills

Shank machined true round for $\frac{1}{4}$ " capacity chuck.
4" twist, 1" long shank.

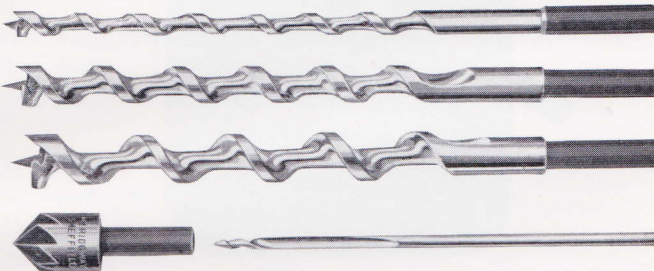
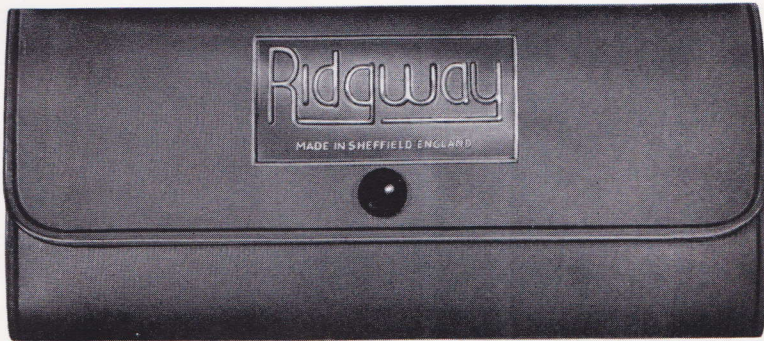
As the result of much research and experimental boring in all types of wood we are proud to present our No. 350 Bit. The Brad Point combined with the Single Spur and Single Cutting Edge nose formation is such as to reduce the load when boring to an absolute minimum, making this new bit unequalled for use in the small Electric Hand Drills now in such general use.

Set of 5 (sizes $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ") in Wooden Case with slide lid as illustrated above.

Available also in individual sizes.

$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "
-----------------	------------------	-----------------	------------------	-----------------	------------------	-----------------	-------------------	-----------------

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



No. 401

ELECTRIC DRILL BIT SET

comprising

No. 350 Bit (see page 24) sizes $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ".

No. 851 Rose Countersink (see page 27).

Straight shank Cobra Bit $\frac{1}{8}$ "—for holes in wood to take woodscrews, nails, wire, etc.

Much thought has gone into the make-up of this set and its presentation. It is a most useful set for any user of an Electric Drill whether he be Tradesman or Amateur.

Available in two very attractive alternative packs:

No. 401B In Cardboard Display Box

(Similar in presentation to No. 400 Wood Boring Tool Kit—see page 18)

No. 401W In Plastic Wallet (As illustrated above).



No. 354

SOLID CENTRE, SINGLE SPUR, BRAD POINT BITS

Shank machined true round for $\frac{1}{4}$ " capacity chuck.
3" twist, 1" long shank.

Similar in type to our No. 350 (page 24) but shorter, having 3" long twist, and offered in a most attractive, top quality Plastic Wallet as illustrated.

Set of 5 (sizes $\frac{1}{4}$ ", $\frac{5}{16}$ ", $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ") in **Wallet**.

Available also in individual sizes.

 $\frac{1}{4}$ "

 $\frac{5}{16}$ "

 $\frac{3}{8}$ "

 $\frac{7}{16}$ "

 $\frac{1}{2}$ "

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



ROSE COUNTERSINKS



Nos. 851 and 852

$1\frac{9}{16}$ " overall, $\frac{1}{4}$ " diameter shank \times $1\frac{3}{16}$ " long, 90° included angle.

Made in one size only $\frac{1}{2}$ " diameter.

No. 851

Made in High Grade Carbon Tool Steel. Suitable for a wide range of jobbing work.

No. 852

Made in 18% Tungsten High Speed Steel. Recommended for all tough jobs. Essential for use on Steel and Hard Materials.



No. 851 and No. 852 Rose Counter Sinks are supplied in this attractive one dozen Pack.



ROSE COUNTERSINKS



Nos. 850 and 853

2" overall, 90° included angle.

No. 850

Made from High Grade Carbon Tool Steel and suitable for use on Non-Ferrous Metals including Light Alloys such as Duralumin.

Diameter Head	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Diameter Shank	$\frac{3}{16}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "

No. 853

Made from 18% Tungsten High Speed Steel and suitable for production work on Mild Steel, etc.

Diameter Head	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "
Diameter Shank	$\frac{3}{16}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "

These Countersinks are usually required with 90° included angle and are always so supplied in the absence of instructions to the contrary.

Countersinks can however be supplied with 120° included angle, in which case mention specially and quote.

Carbon Steel No. 850A
High Speed Steel No. 853A



EXPANSIVE BITS

FORSTNER PATTERN BITS

**WM. RIDGWAY
& SONS, LTD.
OSCAR WORKS
Sheffield - England**

B62

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RIDGWAY EXPANSIVE BITS

The excellence of Ridgway Expansive Bits is well known throughout the World and this reputation has been built on our regular pattern No. 1914 (Page 32), still popular and in great demand.

During the many years we have been manufacturing our No. 1914 Expansive Bit, however, we have carefully studied the users' comments and special needs. As a result we have added to our range the **Firmgrip** Expansive Bit, as illustrated on page 31, the special features of which are covered by Patent No. 728,525.

The unique and special features of the **Firmgrip** Expansive Bit are briefly as follows:—

- (1) The **Serrated Cutters and Packing** allow adjustment in $\frac{1}{16}$ " and make quite certain that the Cutter cannot slip nor move during boring.

This is most important as it ensures accuracy in boring diameter and also obviates the danger of the cutter moving outwards during boring and springing out of the body of the bit.

It is only necessary to apply modest pressure to the Turnscrew when tightening the holding screw.

- (2) Please note the **Spring Loaded Packing piece**. This clears the packing from the cutter as soon as the holding screw is slackened off, making adjustment of the Cutter very easy.

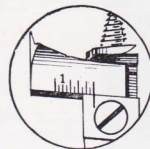
THE **FIRMGRIP** EXPANSIVE BIT IS A NEW AND ORIGINAL **RIDGWAY** DEVELOPMENT AND CARRIES OUR FULL GUARANTEE.

For details of sizes see page 32 and for packaging see page 33.

ADVICE ON USE OF Nos. 1914 and 1915.

Expansive Bits are designed and primarily intended for use on Soft Woods and users are warned that care should be taken when boring Hard Woods. Boring of large diameter holes in Hard Woods should never be attempted.

Cutter set to limit boring size. Note end graduation set to mark on packing.



A Cutter must not be used to bore a larger diameter than the limit size given, and we accept no responsibility for damage or breakage in such circumstances.

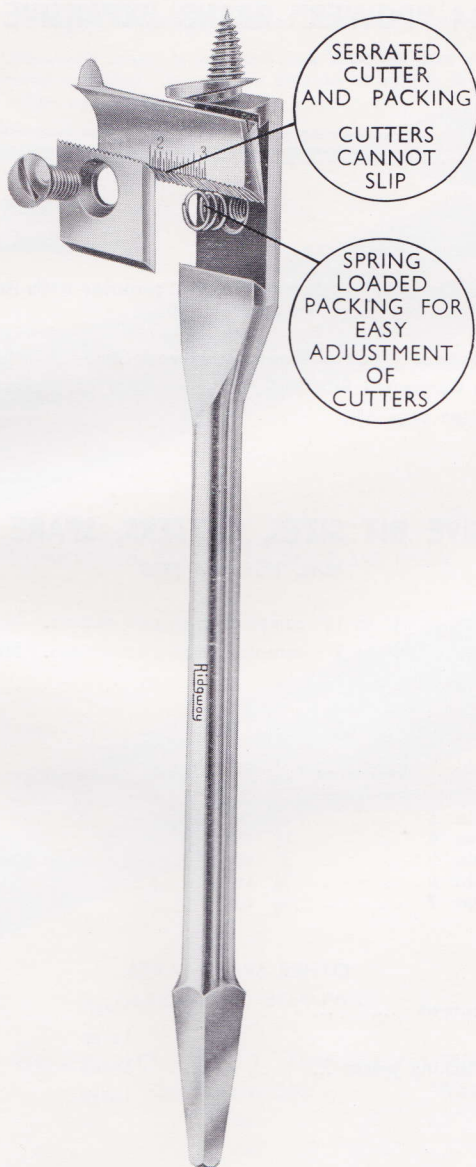
REGISTERED



TRADE MARK

FIRMGRIP EXPANSIVE BIT No. 1915

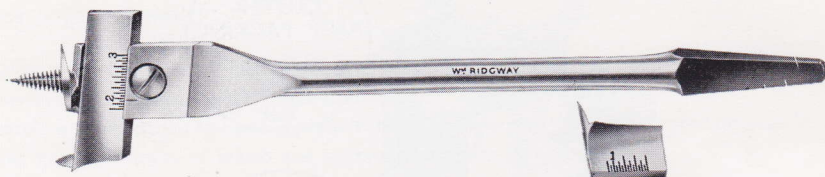
PATENT No. 728,525



WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



No. 1914 "POWER" BRAND EXPANSIVE BITS



The original Ridgway Expansive Bit, still popular with many users.

No. 1914 will be supplied in Wooden Box with Slide Lid unless specially requested in Cardboard Box Pack, when we shall be pleased to supply accordingly (see page 33).

EXPANSIVE BIT SIZES, CUTTERS, SPARE PARTS

Nos. 1914 and 1915

Small size	...	$\frac{1}{2}$ " to $1\frac{1}{2}$ "	complete with two cutters.	Nos. 1 and 2.
Large size	...	$\frac{7}{8}$ " to 3"	complete with two cutters.	Nos. 3 and 4.

CUTTERS

No. 1	...	$\frac{1}{2}$ "	to	$\frac{7}{8}$ "	} For Small Size
No. 2	...	$\frac{7}{8}$ "	to	$1\frac{1}{2}$ "	
No. 3	...	$\frac{7}{8}$ "	to	$1\frac{3}{4}$ "	} For Large Size
No. 4	...	$1\frac{3}{4}$ "	to	3"	
No. 5	...	3"	to	4"	
No. 6	...	$3\frac{1}{2}$ "	to	5"	
No. 7	...	$4\frac{1}{2}$ "	to	6"	

OTHER SPARE PARTS

Screws	Small
				Large
Packing pieces	Small
				Large

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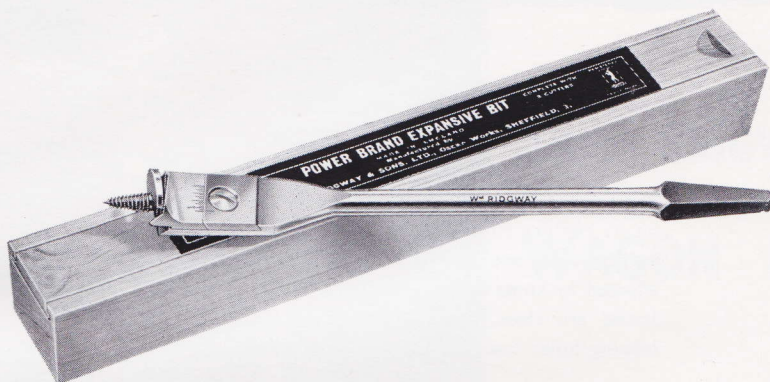


PACKAGING

All our Expansive Bits are separately boxed with attractive top and end labels.

No. 1915 "Firmgrip" is always supplied in Wooden Box with Slide Lid.

No. 1914 "Power" Brand is supplied in a Wooden Box with Slide Lid unless otherwise specified, but we are pleased to supply in strong Cardboard Box when requested.



WOODEN BOX WITH SLIDE LID PACK



CARDBOARD BOX PACK

WEIGHT EACH, BOXED. Nos. 1914 and 1915

	Cardboard Box			Wooden Box		
Small size	3 $\frac{1}{4}$ ozs.	...	...	4 ozs.
Large size	8 $\frac{1}{4}$ ozs.	...	...	10 $\frac{1}{2}$ ozs.

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



FORSTNER PATTERN BIT, BRACE TANG



No. 544

The Forstner Pattern Bit, unlike other Bits, is guided by its circular rim and not by the centre point. It will bore any arc of a circle, and its direction is unaffected by knots or the run of the grain. The holes bored are clean, true, and flat bottomed. Overlapping holes can be bored without difficulty.

These characteristics make the Forstner Pattern Bit unequalled for Core Boxes, fine and delicate patterns, fancy scroll work, veneers, screen work, scalloping, and all kinds of pattern making.

$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "
$\frac{7}{8}$ "	$1\frac{5}{16}$ "	1"	$1\frac{1}{16}$ "	$1\frac{1}{8}$ "	$1\frac{3}{16}$ "	$1\frac{1}{4}$ "	$1\frac{5}{16}$ "
$1\frac{3}{8}$ "	$1\frac{7}{16}$ "	$1\frac{1}{2}$ "	$1\frac{5}{8}$ "	$1\frac{3}{4}$ "	$1\frac{7}{8}$ "	2"	



“WM. RIDGWAY” WAGON BITS



**WM. RIDGWAY
& SONS, LTD.
OSCAR WORKS
Sheffield - England**

B62
Printed in England



Brand—"WM. RIDGWAY"—This Celebrated Mark was introduced in the year 1878 by Mr. William Ridgway. By careful study of the requirements of Wagon Builders and Repairers, we are able to offer our clients all the best and most useful patterns.

BRIGHT WAGON BIT

No. 108—10" twist, approx. 15" long overall.

No. 109—12" twist, approx. 17" long overall.

$\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
 $\frac{15}{16}$ "
 1"
 $1\frac{1}{16}$ "
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "



FAST SHEETING BIT

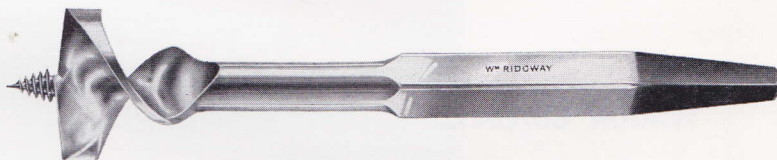


No. 110

8" to 10" long overall according to size.

$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "
	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	$1\frac{1}{16}$ "	

WAGON BUILDERS' TWISTED CENTRE BIT



No. 113

1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "	$1\frac{5}{8}$ "	$1\frac{3}{4}$ "
		$1\frac{7}{8}$ "	2"			

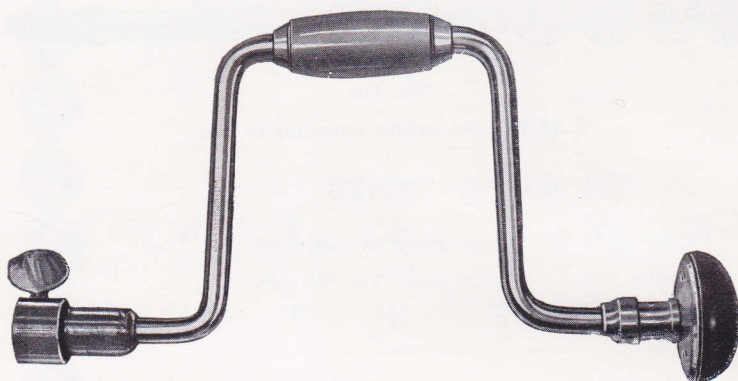
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TRADE MARK

WAGON BRACE

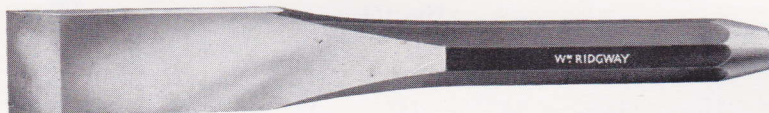
Ball Bearing



No. 115

14" sweep

WAGON BUILDERS' SOLID STEEL CHISEL



No. 114

1"

1 $\frac{1}{4}$ "

1 $\frac{1}{2}$ "

1 $\frac{3}{4}$ "

2"

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AUGERS AND HOLLOW AUGERS

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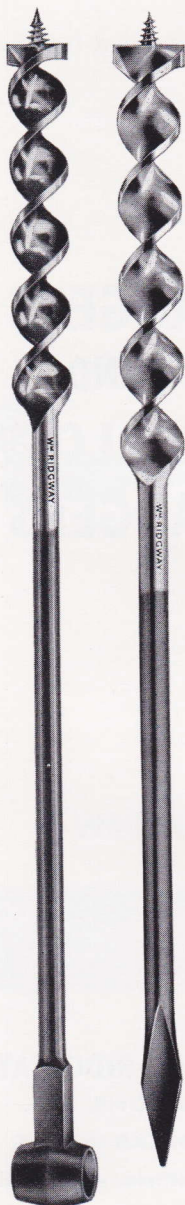
BRIGHT SCOTCH SCREW AUGER

No. 200 EYED

$\frac{5}{8}$ " size approx. 24" overall, other sizes in proportion.

No. 204 TANGED

$\frac{5}{8}$ " size approx. 19" overall, other sizes in proportion.



No. 200 No. 204

$\frac{1}{4}$ "
 $\frac{5}{16}$ "
 $\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
 $\frac{15}{16}$ "
1"
 $1\frac{1}{16}$ "
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "
 $1\frac{5}{8}$ "
 $1\frac{3}{4}$ "
 $1\frac{7}{8}$ "
2"
 $2\frac{1}{4}$ "
 $2\frac{1}{2}$ "
 $2\frac{3}{4}$ "
3"



BRIGHT SCOTCH AUGER FOR BRACE

No. 206

As No. 200, but with brace tang
Approximately 19" overall.

$\frac{1}{4}$ "
 $\frac{5}{16}$ "
 $\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
 $\frac{15}{16}$ "
 1"
 $1\frac{1}{16}$ "
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "

BEST QUALITY ASH AUGER HANDLE

for use with standard type barrel eye



No. 600

Eye Size No.	00	0	1	2	3	4	5
Internal diameter of eye	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"	$1\frac{1}{16}$ "	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "
Length of handle	13"	13"	14"	$15\frac{1}{2}$ "	16"	17"	20"





SOLID CENTRE PATTERN AUGER, EYED

No. 221

JENNINGS PATTERN NOSE

$\frac{5}{8}$ " size approx. 22" overall, other sizes in proportion.

$\frac{1}{4}$ "
 $\frac{5}{16}$ "
 $\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
 $\frac{15}{16}$ "
 1"
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "

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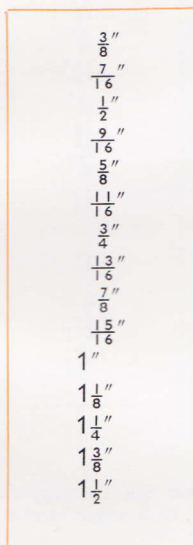


SOLID CENTRE PATTERN AUGERS, EYED

16" twist, 24" overall

No. 639 JENNINGS PATTERN NOSE

No. 640 SCOTCH PATTERN NOSE



No. 639



SOLID CENTRE PATTERN DERRICK AUGERS

No. 642 16" twist, 24" overall

No. 644 18" twist, 36" overall

No. 645 24" twist, 36" overall

$\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
 $\frac{15}{16}$ "
1"
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "

All the above can be supplied with square pointed tang, to fit auger handle, or for welding to extension, thus:



in place of nut end as illustrated. Nut end will always be supplied unless ordered to the contrary.

This type of auger can also be supplied with Eye as illustrated on our No. 639, page 43. Orders should clearly state if so required.



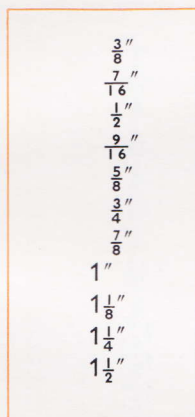
SOLID NOSE AUGER

No. 233 EYED, BRIGHT

$\frac{5}{8}$ " size approx. 24" overall, other sizes in proportion.

No. 234 TANGED, BRIGHT

$\frac{5}{8}$ " size approx. 19" overall, other sizes in proportion.



No. 233



SINGLE TWIST AUGER, SCREW POINT, BRACE TANG

No. 495D

Length of twist ranges from 10" for $\frac{3}{8}$ " size to 12" for 1" size and over.

$\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
1"
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "



SINGLE TWIST SHIP AUGER

Supplied with barrel eye, as illustrated,
or with straight shank left to weld.

This type of Auger is usually supplied without screw point (Bull Nose) but can be supplied with screw point at the same price. Please state which is required when ordering.

- | | | | |
|------------------|-----|--------|----------|
| No. 493A. | 9" | Twist. | Not eyed |
| No. 493B. | 9" | „ | Eyed |
| No. 493C. | 12" | „ | Not eyed |
| No. 493D. | 12" | „ | Eyed |

$\frac{1}{4}$ "
 $\frac{5}{16}$ "
 $\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
 $\frac{15}{16}$ "
1"
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "
 $1\frac{5}{8}$ "
 $1\frac{3}{4}$ "
 $1\frac{7}{8}$ "
2"





No. 495

L'HOMMEDIEU PATTERN SINGLE TWIST AUGER

No. 495. Without Screw Point (Bull Nose)—as illustrated

No. 495S. With Screw Point.

Square pointed tang, suitable for detachable auger handle or for welding to extension.

Length of twist ranges from 10" for $\frac{3}{8}$ " size to 12" for 1" size and over

$\frac{1}{4}$ "
 $\frac{5}{16}$ "
 $\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{13}{16}$ "
 $\frac{7}{8}$ "
 $\frac{15}{16}$ "
1"
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "



LAMP STANDARD SHELL AUGER

No. 219

This is a special purpose Auger intended for boring Lamp Standards for the wire flex. Usual practice is for the work to be rotated in a lathe and the Auger is applied by hand using a steady rest. A dead straight hole unaffected by the run of the grain of the timber can be assured.

Available in lengths overall of

12" 18" 24" 30" 36"

$\frac{1}{4}$ "

$\frac{5}{16}$ "

$\frac{3}{8}$ "

$\frac{7}{16}$ "

$\frac{1}{2}$ "





CARPENTERS' BRIGHT SHELL AUGERS

No. 216 EYED

No. 217 TANGED

No. 216 $\frac{1}{2}$ " size 4" long on shell, 15" overall, other sizes in proportion.

No. 217 $\frac{1}{2}$ " size 4" long on shell, 13" overall, other sizes in proportion.



No. 216

$\frac{1}{4}$ "
 $\frac{5}{16}$ "
 $\frac{3}{8}$ "
 $\frac{7}{16}$ "
 $\frac{1}{2}$ "
 $\frac{9}{16}$ "
 $\frac{5}{8}$ "
 $\frac{11}{16}$ "
 $\frac{3}{4}$ "
 $\frac{7}{8}$ "
1"
 $1\frac{1}{8}$ "
 $1\frac{1}{4}$ "
 $1\frac{3}{8}$ "
 $1\frac{1}{2}$ "



DODD'S PATTERN SHELL AUGER

No. 218

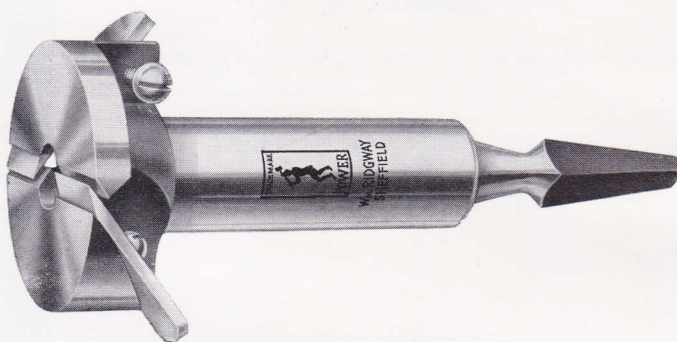
1" size approximately 4" long on shell, other sizes in proportion.

$\frac{1}{4}$ "
$\frac{5}{16}$ "
$\frac{3}{8}$ "
$\frac{7}{16}$ "
$\frac{1}{2}$ "
$\frac{9}{16}$ "
$\frac{5}{8}$ "
$\frac{11}{16}$ "
$\frac{3}{4}$ "
$\frac{7}{8}$ "
1"
$1\frac{1}{8}$ "
$1\frac{1}{4}$ "
$1\frac{3}{8}$ "
$1\frac{1}{2}$ "





"POWER" BRAND HOLLOW AUGER



No. 1916

This type of Hollow Auger is already well known to the trade and is used for cutting round tenons. We would emphasize the ease with which the cutters can be sharpened and adjusted for fast or slow cutting.

$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "
$\frac{7}{8}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$1\frac{1}{2}$ "

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



BRACE BITS

WM. RIDGWAY
& SONS, LTD.
OSCAR WORKS
Sheffield - England

B62

Printed in England



CENTRE BITS



No. 1066—"POWER" BRAND NEW PATTERN CENTRE BIT
Bright finish.

$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "
$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"
$1\frac{1}{16}$ "	$1\frac{1}{8}$ "	$1\frac{3}{16}$ "	$1\frac{1}{4}$ "	$1\frac{5}{16}$ "	$1\frac{3}{8}$ "	$1\frac{7}{16}$ "
$1\frac{1}{2}$ "	$1\frac{5}{8}$ "	$1\frac{3}{4}$ "	$1\frac{7}{8}$ "	2"	$2\frac{1}{8}$ "	$2\frac{1}{4}$ "

No. 466—Set of 9 New Pattern Centre Bits (comprising sizes $\frac{1}{4}$ " to $1\frac{1}{4}$ " $\times \frac{1}{8}$ ") in brown waterproof canvas green baize lined roll.

CENTRE BITS
(Old Type)

No. 246 Black

No. 247 Bright

$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "
$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{15}{16}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "
	$1\frac{1}{2}$ "	$1\frac{5}{8}$ "	$1\frac{3}{4}$ "	$1\frac{7}{8}$ "	2"		

For Brace Bits in sets see pages 19 and 20.



PLUG CENTRE BIT



No. 262

Black Finish, with Plug machine turned dead to size.

$1\frac{1}{8}$ " dia. \times $\frac{1}{2}$ " dia. plug

$1\frac{1}{4}$ " dia. \times $\frac{1}{2}$ " dia. plug

Other sizes can be made specially to order. Prices on application.
We can also supply with Screwed Plug made specially to order. Prices on application.

ROSEHEAD COUNTERSINK FOR HAND DRILL



No. 661

2" overall.

$\frac{3}{16}$ " dia. shank.

90° included angle.

Made from high grade mild steel, case hardened, suitable for jobbing work by the amateur.

$\frac{3}{8}$ "

$\frac{1}{2}$ " dia.

For Countersinks in Carbon Tool Steel and High Speed Steel, see pages 27 and 28.



COBRA PATTERN BIT



No. 224B

Bright finish.

Size No.	2	3	4	5	6	7
	$\frac{1}{16}$ "	$\frac{3}{32}$ "	$\frac{1}{8}$ "	$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "
Size No.	8	9	10	12		
	$\frac{1}{4}$ "	$\frac{9}{32}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "		

COBRA PATTERN BITS can also be made in special lengths for which we shall be pleased to quote against enquiries stating sizes, lengths and quantities.

SQUARE RINDER



No. 297 Black

No. 297A Bright

$\frac{3}{8}$ " square

For Brace Bits in sets see pages 19 and 20.



SHELL BIT



No. 250 Black, Bright inside

No. 250A Bright

$\frac{1}{8}$ "	$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "	$\frac{1}{4}$ "
$\frac{9}{32}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "

BROUGHTON PATTERN COUNTERSINK



No. 659

For use with Shell Bits. (**No. 250** above).

For Bits	$\frac{1}{8}$ "	$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "	$\frac{1}{4}$ " dia.
" "	$\frac{9}{32}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ " dia.

For Brace Bits in sets see pages 19 and 20.



FLATHEAD COUNTERSINK



No. 264 Black

No. 265 Bright

 $\frac{1}{2}$ " $\frac{5}{8}$ "

SNAILHORN COUNTERSINK



No. 273 Black

No. 274 Bright

 $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{5}{8}$ " $\frac{3}{4}$ " $\frac{7}{8}$ "

ROSEHEAD COUNTERSINK



No. 279 Black

No. 280 Bright

 $\frac{1}{4}$ " $\frac{3}{8}$ " $\frac{1}{2}$ " $\frac{5}{8}$ " $\frac{3}{4}$ " $\frac{7}{8}$ "

1"

For Brace Bits in sets see pages 19 and 20.



BRIGHT CABINET TURNSCREW BIT



No. 294

 $\frac{1}{4}''$
 $\frac{5}{16}''$
 $\frac{3}{8}''$
 $\frac{7}{16}''$
 $\frac{1}{2}''$

TURNSCREW BIT



No. 295 Black

No. 295A Bright

 $\frac{1}{4}''$
 $\frac{5}{16}''$
 $\frac{3}{8}''$
 $\frac{7}{16}''$
 $\frac{1}{2}''$
 $\frac{5}{8}''$

For Brace Bits in sets see pages 19 and 20.



SUPER QUALITY, CHROME VANADIUM TURNSCREW BIT



No. 1935—Made from Chrome-Vanadium Steel, specially heat treated.
Bright finish.

 $\frac{1}{4}$ " $\frac{5}{16}$ " $\frac{3}{8}$ " $\frac{7}{16}$ " $\frac{1}{2}$ "

DOUBLE-ENDED TURNSCREW BIT

Made from high grade Carbon Tool Steel.



No. 296—Bright finish.

Size $\frac{1}{4}$ " \times $\frac{3}{8}$ ".

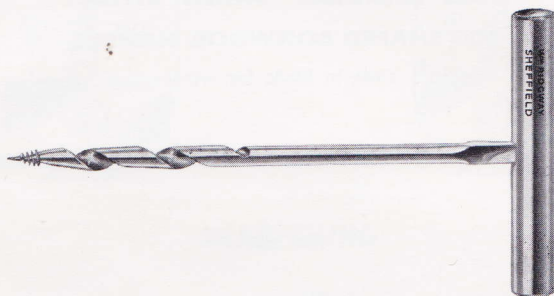
Length $4\frac{1}{2}$ " overall.

For Brace Bits in sets see pages 19 and 20.

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



"POWER" BRAND STEEL HANDLED TWIST GIMLET



No. 314

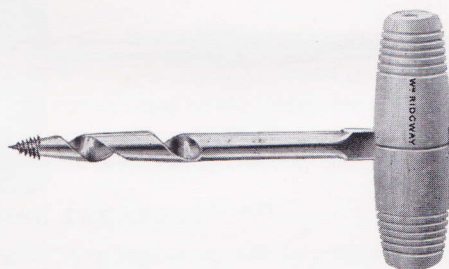
A Gimlet of unequalled quality. A real boring tool which will not split the wood. The Steel handle is securely riveted on to the blade and will not twist off nor come loose.

Size No.	3	4	5	6	7	8	9
	$\frac{3}{32}$ "	$\frac{1}{8}$ "	$\frac{5}{32}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "	$\frac{1}{4}$ "	$\frac{9}{32}$ "

Also in boxes of one dozen assorted sizes $\frac{1}{8}$ " to $\frac{1}{4}$ ".

BEST QUALITY BREWERS' TWIST GIMLET

Boxwood Handle



No. 318

$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "
------------------	-----------------	------------------

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



BELL HANGERS' SHELL GIMLET

EGG SHAPED BOXWOOD HANDLE

Hole in blade for wire

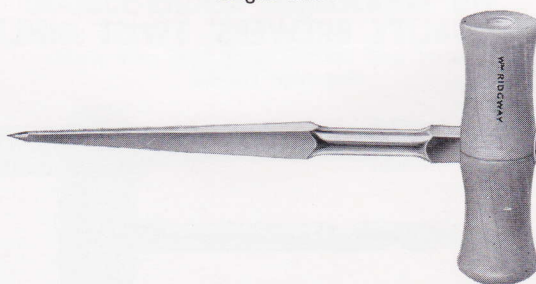


No. 654

Length of blade	12"	18"	24"	30"	36"
in Diameters	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "		

BOXWOOD HANDLED SQUARE RINDER

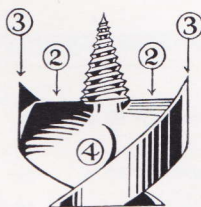
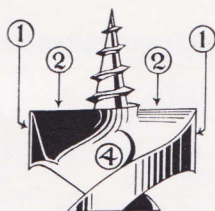
Bright finish



No. 301

$\frac{3}{8}$ " square rinder

WM. RIDGWAY & SONS, LTD., OSCAR WORKS, SHEFFIELD, ENGLAND



SHARPENING

1. Side Wing
2. Cutter
3. Spur
4. Throat

Generally speaking, Bits are sharpened more often than necessary, and the life of many is considerably shortened by incorrect filing. Carefully examine a Bit before sharpening, and when filing endeavour to keep the original shape. Keep the balance of the nose of a bit. Each side should do the same amount of work and to ensure this always file both sides equally. Use a smooth file and file lightly with the object of removing as little metal as is necessary.

SHARPENING THE SIDE WINGS

Rest the Bit on the bench with the screw lead down. File with the file working through the throat of the Bit. Never file the side wings on the outside or the clearance will be spoilt.

SHARPENING THE CUTTERS

Hold the Bit in the same way as you would to sharpen the side wings and file the cutting edges on the under side only, *i.e.*, with the file working through the throat of the Bit. It is essential that the cutters should be at the same level so that they cut chips of equal thickness.

SHARPENING THE SPURS

Hold the Bit, nose uppermost, with its twist firmly against the edge of the bench. File the inside of the spur. Never file the outside as this reduces the clearance and causes binding and clogging when boring.

Never attempt to sharpen a Bit by grinding.



APPENDIX

WOOD SCREW DIAMETERS, COUNTERSUNK HEADS

Size No. ...	...	0	1	2	3	4	5	6	7	8
Inch equivalent to	$\frac{1}{64}$ "	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{5}{64}$	$\frac{3}{32}$	$\frac{7}{64}$	$\frac{1}{8}$	$\frac{9}{64}$	$\frac{5}{32}$	$\frac{5}{32}$
Size No. ...	...	9	10	11	12	13	14	15	16	17
Inch equivalent to	$\frac{1}{64}$ "	$\frac{1}{64}$	$\frac{3}{16}$	$\frac{13}{64}$	$\frac{7}{32}$	$\frac{15}{64}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{17}{64}$	$\frac{9}{32}$
Size No. ...	...	18	19	20	22	24	26	28	30	32
Inch equivalent to	$\frac{1}{64}$ "	$\frac{19}{64}$	$\frac{5}{16}$	$\frac{11}{32}$	$\frac{11}{32}$	$\frac{3}{8}$ "	$\frac{13}{32}$	$\frac{7}{16}$	$\frac{15}{32}$	$\frac{1}{2}$

The head of a standard wood screw is twice the diameter of the body.

WIRE NAIL DIAMETERS

Gauge No. ...	...	19	18	17	16	15	14	13	12	11	10
Inch equivalent to	$\frac{1}{64}$ "	$\frac{3}{64}$	$\frac{3}{64}$	$\frac{3}{64}$	$\frac{1}{16}$	$\frac{5}{64}$	$\frac{3}{32}$	$\frac{3}{32}$	$\frac{7}{32}$	$\frac{1}{8}$	$\frac{1}{8}$
Gauge No. ...	...	9	8	7	6	5	4	3	2	1	0
Inch equivalent to	$\frac{1}{64}$ "	$\frac{9}{64}$	$\frac{5}{32}$	$\frac{11}{64}$	$\frac{3}{16}$	$\frac{7}{32}$	$\frac{15}{64}$	$\frac{1}{4}$	$\frac{9}{32}$	$\frac{5}{16}$	$\frac{5}{16}$

APPROXIMATE NETT WEIGHT PER DOZEN OF EYED AUGERS AND AUGER BITS

Eyed Augers } e.g., No. 200	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	inches lbs.
	1.81	1.81	2.72	3.63	4.08	4.54	4.99	5.22	5.44	kilos
Auger Bits, } e.g., No. 220, No. 230, No. 240, etc.	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{3}{4}$	3	$3\frac{1}{4}$	lbs. kilos
	.45	.56	.68	.79	.91	1.02	1.25	1.35	1.47	
Eyed Augers, } e.g., No. 200	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{3}{4}$	2	inches lbs.
	15	17	20	24	28	30	34	38	48	kilos
Auger Bits, } e.g., No. 220, No. 230, No. 240, etc.	$4\frac{1}{4}$	$4\frac{1}{2}$	$5\frac{1}{2}$	7	$7\frac{1}{2}$	8				lbs. kilos
	1.92	2.04	2.50	3.17	3.40	3.63				

FRACTIONS OF AN INCH WITH EQUIVALENTS IN MILLIMETRES

Inch	mm.	Inch	mm.	Inch	mm.	Inch	mm.	Inch	mm.
$\frac{1}{16}$ "	1.587	$\frac{1}{4}$ "	6.350	$\frac{7}{16}$ "	11.112	$\frac{21}{32}$ "	16.668	$\frac{27}{32}$ "	21.431
$\frac{3}{32}$ "	2.381	$\frac{9}{32}$ "	7.144	$\frac{15}{32}$ "	11.906	$\frac{11}{16}$ "	17.462	$\frac{7}{8}$ "	22.225
$\frac{1}{8}$ "	3.175	$\frac{5}{16}$ "	7.937	$\frac{1}{2}$ "	12.700	$\frac{9}{16}$ "	18.256	$\frac{29}{32}$ "	23.018
$\frac{5}{16}$ "	3.969	$\frac{11}{16}$ "	8.731	$\frac{17}{32}$ "	13.494	$\frac{3}{4}$ "	19.050	$\frac{15}{16}$ "	23.812
$\frac{3}{8}$ "	4.762	$\frac{3}{4}$ "	9.525	$\frac{9}{16}$ "	14.287	$\frac{25}{32}$ "	19.844	$\frac{17}{32}$ "	24.606
$\frac{7}{16}$ "	5.556	$\frac{13}{16}$ "	10.319	$\frac{19}{32}$ "	15.081	$\frac{13}{16}$ "	20.637	1"	25.400
$\frac{1}{2}$ "				$\frac{5}{8}$ "	15.875				



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